



MATERIAL SAFETY DATA SHEET

TONER CARTRIDGE

Page 1 of 2

A-SP-ELMD007-AA-0 Rev A.

SECTION 1 - PREPARATION/PRODUCT INFORMATION

Manufacturer's Name: Digital Equipment Corporation Maynard, MA USA

Non-Emergency Phone Number: (508) 496-9242

Emergency Phone Numbers: 800-228-5635 ext.123
[+1] 612-221-3999 ext.123

Preparation Date: March 4, 1992

Supersedes: March 26, 1990

Product Name: Toner Cartridge

Part Number(s): LN01X-AA

Use: Image Transfer Media

SECTION 2 - INGREDIENTS

HAZARDOUS INGREDIENTS	CAS	%	ACGIH TLV	OSHA PEL	CARCINOGEN LIST			SARA 313
					IARC	NTP	OSHA	

None Toner Cartridge is classified as an article. Toner contains carbon black, amorphous silica, zinc stearate and bisphenol-A-propylene oxide fumarate. See Section 8 for Safe Handling/Preventive Measures.

All ingredients contained in this product are on the US TSCA inventory.

SECTION 3 - PHYSICAL AND CHEMICAL DATA

Boiling Point - Not applicable
Vapor Pressure - Not applicable
Vapor Density - Not applicable
Appearance - Black powder
Freezing Point - Not applicable
Melting/Softening Point - Not available

Solubility in Water - Insoluble
Percent Volatile - None
Evaporation Rate - Not applicable
Odor and Odor Threshold - Faint odor
pH - Not applicable
Specific Gravity - 1.1 (water = 1)

SECTION 4 - FIRE AND EXPLOSION HAZARD

Flash Point - None
Auto-Ignition Temperature - Not applicable
Extinguishing Media - Water, foam, dry
chemical, carbon dioxide
Hazardous Combustion Products - Carbon
monoxide, carbon dioxide

Special Fire Fighting Procedure - None
Flammable Limits - Not available
Unusual Fire or Explosion Hazards - Dust explosive
limits similar to those of coal dust

SECTION 5 - REACTIVITY DATA

Stability - Stable

Incompatibility - None

Hazardous Decomposition Products - Not available

Hazardous Polymerization -None

Conditions to Avoid - Avoid prolonged inhalation
of excessive dust

SECTION 6 - HEALTH HAZARD DATA/TOXICOLOGICAL PROPERTIES

Hazard to Humans- Primary route of entry is by inhalation. Prolonged high levels of inhalation exposure can lead to accumulation of particles in the respiratory tract. No evidence of cancer has been seen in several studies of carbon black in human populations. Potential exposure under normal use conditions should present no hazard.

Animal Experiment- (based on testing of toner)

Acute- Oral LD50- > 5 g/kg (practically non-toxic);

Dermal LD50- > 2 g/kg;

Inhalation LC50- N.D. Respiratory tract irritation possible. Non-irritating to skin and eyes.

Chronic/Other- Information on sensitization, mutagenicity, and teratogenicity are not available. IARC concluded that the evidence on carcinogenic potential of carbon black is inadequate.

Additional Information- See Section 8 for safe handling/preventive measures. Toner contains non-hazardous ingredients and carbon black. A similar toner was found to not be carcinogenic in rats following inhalation exposure.

SECTION 7 - EMERGENCY/FIRST AID PROCEDURE

(Applies to toner in cartridge)

If Inhaled - Remove to fresh air. Support breathing if necessary and contact a physician.

If on Skin - Promptly wash skin with soap and water.

If in Eyes - Flush eyes with large quantities of water for at least 15 minutes.

If Swallowed- Seek immediate medical attention.

SECTION 8 - SAFE HANDLING/PREVENTIVE MEASURES

Personal Protective Equipment - None for normal use .

Engineer Control - Not needed.

Waste Disposal - No special requirements.

Procedures for Leaks or Spills- Remove loose toner with a High Efficiency Particulate Filter (HEPA) vacuum cleaner.

Work Practices - None

Storage Requirement- Keep containers closed.Store in dry area below 32°C (90°F).

Handling Procedure/Equipment- Avoid handling in windy areas. Airborne powder may enter eyes or respiratory tract. Cleanse skin after contact.

Labelling- None

WHMIS Classification- Not applicable

SECTION 9 - TRANSPORTATION REQUIREMENTS

None